

## Wrapping Protective Packaging Solutions

As product packaging has grown to become a critically important part of your sales and marketing operations, so have internal protective packaging solutions. With online sales growing at a rate of 20% annually, packaging for mail delivery is now impacting your brand, as well as your shipping costs. Innovative protective packaging solutions can enhance your company's image with internal packaging that is neat and visually appealing, and demonstrates a commitment to environmentally responsible packaging, while minimizing the size and weight of the overall package for lower shipping costs.

### Reduce Costs

AirPouch® FastWrap™ inflate-on-demand protective packaging yields a significant cost saving as compared to other types of wrapping, such as foam sheeting, paper and pre-filled bundled bubble. wrapping bubbles on-demand offer a lightweight and clean solution for protective packaging and are durable enough to provide excellent product protection in minimal space. AirPouch FastWrap wrapping quilt comes in a high-yield box that reduces shipping and storage requirements.

- One small box of preformed bubble material inflates to 5½ rolls of competitive pre-inflated bubble, which reduces cube costs for shipping and storage
- Minimal material handling compared to bubble bundles
- Creates a secure fit with nominal material inside the shipping package for lower dimensional weight charges
- All-electric, low maintenance dispensing system features a very small footprint to save valuable warehouse space
- Prevents shipping damage, reducing product losses and returns

### Markets Served

AirPouch FastWrap wrapping bubbles are versatile, have many protective packaging uses, and are great for all void-fill applications, including:

- Mail order fulfillment
- Pharmaceutical fulfillment
- Third party logistics
- Contract packaging and fulfillment



## Patented Honeycomb Design

AirPouch FastWrap wrapping quilt features our patented, channel-filled honeycomb design, which allows multi-directional wrapping and improved product protection. The channel-filled feature distributes air evenly throughout multiple cells, maintaining protection for your product by eliminating “popped” bubbles.

## Offer Sustainable Packaging

Consumers are rapidly becoming more conscientious about the amount of waste they generate and are driving the need for more sustainable packaging solutions. AirPouch FastWrap wrapping bubbles are available in our EarthAware® biodegradable and recycled blends to show your customers you care about the environment.

## AirPouch FastWrap Wrapping Value

- Patented, channel-filled honeycomb design prevents shipping damage, reducing product losses and returns
- Durable and puncture resistant bubbles inflate on demand, saving valuable warehouse space
- Wrapping bubbles are clean, dust-free and lightweight
- Eliminates the bulky storage requirements of pre-filled bubble materials
- High yield, boxed material reduces changeover time
- Patent-pending sealing system provides superior air retention
- AirPouch FastWrap is infinitely recyclable, and available in both biodegradable and recycled blends



AirPouch wrapping offers superior seals and puncture resistance for durability and reliable air retention

## AirPouch FastWrap Bubbles Materials and Specifications

### Specifications

- Sizes:
  - 19 mm Loft Bubble – 305 mm and 610 mm widths (inflated), perforated every 152 mm
  - 32 mm Loft Bubble – 305 mm wide (inflated), perforated every 171 mm
- Thicknesses: 39 µm
- Unit of Measure:
  - 305 mm wide 19 mm Loft Bubble: 533 m of material per box; 32 boxes per pallet
  - 610 mm wide 19 mm Loft Bubble: 396 m of material per box; 16 boxes per pallet
  - 305 mm wide 32 mm Loft Bubble: 533 m of material per box; 32 boxes per pallet



## Material Types

### DuraClear 2000™ Bubbles on Demand

- Industry leading 95% pre-consumer recycled content
- Stock printed with EarthAware logo for end-user awareness; custom printing available

### AirPouch FastWrap HD Bubbles on Demand

- Complies with the creep standards outlined in Federal Specification PPP-C-795C of less than 10% creep loss over 30 days under load as defined by ASTM D 2221 test method
- Ideal for heavy or fragile products with long storage and shipping cycles
- Excellent barrier properties
- Compliances: PPP-C-795D, CID A-A549

### AirPouch FastWrap Anti-Static Bubbles on Demand

- Amine free
- Polycarbonate and silver solder compatible
- Dissipates static buildup and protects sensitive components
- Static Charge Dissipation: 5000v to <50v, <2.0 sec
- Surface Resistivity: >1 x 10<sup>12</sup> Ohms/in<sup>2</sup>
- Pink color for easy identification

### EarthAware DuraClear 2000 Biodegradable Bubbles on Demand

- Biodegrades when in contact with other biodegrading materials

### EarthAware Recycled EZ-Tear AirPouch Bubbles on Demand

- Industry leading 80% pre-consumer recycled content



## Best Practices in Protective Packaging

Properly packing your products for shipping is critical to reducing damages and returns. With proper packaging methods and materials, you can ensure your products reach their destination in perfect condition. We manufacture a full line of AirPouch inflate-on-demand protective packaging products for a variety of uses, including:

- **Void-fill** – Limits movement that can cause damage
- **Wrapping** – Wrap delicate items to protect against vibration and shock during shipping and handling
- **Bracing** – Protect corners and edges that are the most vulnerable to damage

**Use protective packaging products that are specifically intended for that use** – To ensure products remain damage free, use protective packaging materials as instructed. An AirPouch specialist will help you determine the best products for your needs.

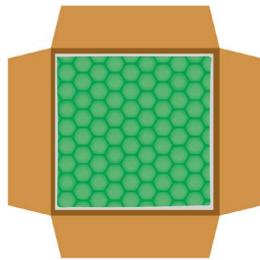
**Use special packaging for special products** – Items such as electronics and electrical components often require anti-static materials, such as our AirPouch FastWrap **Anti-Static Bubbles**.



## AirPouch bubbles can protect your products several ways:



Interleaving



Top-Fill



**System Matched Materials**



**Service & Support**



**Custom Engineering & Integration**



**Automated Packaging Systems** specializes in a **Total Systems Approach** to packaging by combining high-quality protective packaging machines with system-matched, guaranteed-to-run packaging materials, and expert customer service and support. We help our customers streamline their packaging operations, improve productivity and lower their total cost of ownership by tailoring solutions that are perfect for their unique manufacturing needs.



All materials are categorized as a #4 plastic, which is more convenient to recycle.

The additive used in EGDC/biodegradable film has been tested by independent laboratories in accordance with standard test methods approved by ASTM, ISO, and other such standardization bodies, and has been approved for marketing as biodegradable and safe for the environment. The rate and time for biodegradation varies depending on exposure conditions. California currently prohibits labeling any plastic product as biodegradable.

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